

Special Issue

Application of Econometrics in Agricultural Production

Message from the Guest Editor

This Special Issue aims to rebuild and extend the approach to agricultural production analysis by including econometric methods for: (a) developing a new paradigm for agricultural production analysis that acknowledges and models the relevance of the combined economic and agronomic aspects of the production processes; (b) defining output and input demand and supply in agricultural production from a technical perspective, with the use of production function/or production frontier models; (c) understanding agricultural market exchange and market distortions and failures from a quantitative perspective. The theory and approach developed and applied should also be used to address aspects of environmental and economic sustainability of agricultural production and should provide sound and firm strategy/policy design context and applicability. **Keywords**

- econometric analysis
- agricultural production
- production functions
- production frontier
- production input
- production output
- demand and supply functions
- market equilibria
- market failures
- sustainability

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